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1 [Logical foundations of peer-to-peer data integration](#)

Diego Calvanese, Giuseppe De Giacomo, Maurizio Lenzerini, Riccardo Rosati
 June 2004 PODS '04: Proceedings of the twenty-third ACM SIGMOD-SIGACT-SIGART symposium
 Principles of database systems

Publisher: ACM

 Full text available: [pdf\(224.52 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 87, Citation Count: 14

In peer-to-peer data integration, each peer exports data in terms of its own schema, and data interoperability is achieved by means of mappings among the peer schemas. Peers are autonomous and mappings are dynamically created and changed. One of ...

2 [An on-demand secure routing protocol resilient to byzantine failures](#)

Baruch Awerbuch, David Holmer, Cristina Nita-Rotaru, Herbert Rubens
 September 2002 WiSE '02: Proceedings of the 1st ACM workshop on Wireless security
 Publisher: ACM

 Full text available: [pdf\(233.97 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 132, Citation Count: 18

An ad hoc wireless network is an autonomous self-organizing system of mobile nodes connected links where nodes not in direct range can communicate via intermediate nodes. A common technique for routing protocols for ad hoc wireless networks ...

Keywords: ad hoc wireless networks, byzantine failures, on-demand routing, security

3 [Competitive solutions for online financial problems](#)

Ran El-Yaniv
 March 1998 ACM Computing Surveys (CSUR), Volume 30 Issue 1
 Publisher: ACM

 Full text available: [pdf\(331.62 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 257, Citation Count: 2

This article surveys results concerning online algorithms for solving problems related to the management of money and other assets. In particular, the survey focuses on search, replacement, and portfolio problems

4 [Image Retrieval from the World Wide Web: Issues, Techniques, and Systems](#)



M. L. Kherfi, D. Ziou, A. Bernardi

March 2004 ACM Computing Surveys (CSUR), Volume 36 Issue 1

Publisher: ACM

Full text available: [pdf\(294.13 KB\)](#)

[Additional Information: full citation, abstract, references, cited by, index te](#)

Bibliometrics: Downloads (6 Weeks): 113, Downloads (12 Months): 1117, Citation Count: 6

With the explosive growth of the World Wide Web, the public is gaining access to massive amou information. However, locating needed and relevant information remains a difficult task, whethe information is textual or visual. Text search engines ...

Keyw ords: Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexi relevance feedback, search, similarity

5 [Properties and mechanisms of self-organizing MANET and P2P systems](#)



Bartosz Biskupski, Jim Dowling, Jan Sacha

March 2007 ACM Transactions on Autonomous and Adaptive Systems (TAAS), Volume 2 Issue

Publisher: ACM

Full text available: [pdf\(251.02 KB\)](#)

[Additional Information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 820, Citation Count: 0

Despite the recent appearance of self-organizing distributed systems for Mobile Ad Hoc Network and Peer-to-Peer (P2P) networks, specific theoretical aspects of both their properties and the m used to establish those properties have ...

Keyw ords: Adaptive systems, Complex systems, MANET, Self-organisation, peer-to-peer

6 [Proceedings of the 6th ACM international conference on Image and video retrieval](#)



Nicu Sebe, Marcel Worring

July 2007 proceeding

Publisher: ACM

[Additional Information: full citation, abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to the ACM International Conference on Image and Video Retrieval, CIVR 2007. After 1 the CIVR conference has now become an official ACM Conference and an IAPR co-sponsored eve conference is one of the most important and influential ...

7 [Business-to-business interactions: issues and enabling technologies](#)

B. Medjahed, B. Benatallah, A. Bouguettaya, A. H. H. Ngu, A. K. Elmagarmid

May 2003 The VLDB Journal — The International Journal on Very Large Data Bases, Volur

Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(558.34 KB\)](#)

[Additional Information: full citation, abstract, references, cited by, index te](#)

Bibliometrics: Downloads (6 Weeks): 122, Downloads (12 Months): 917, Citation Count: 13

Business-to-Business (B2B) technologies pre-date the Web. They have existed for at least as lor Internet. B2B applications were among the first to take advantage of advances in computer netw The Electronic Data Interchange (EDI) business ...

Keywords: B2B Interactions, Components, E-commerce, EDI, Web services, Workflows, XML

8 [Communications of the ACM: Volume 51 Issue 2](#)



February 2008 issue Volume 51 Issue 2

Publisher: ACM

Full text available: [pdf\(3.89 MB\)](#) [digital edition\(.00 bytes\)](#) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 385, Downloads (12 Months): 645, Citation Count: 0

9 [Service oriented architectures: approaches, technologies and research issues](#)

Mike P. Papazoglou, Willem-Jan Heuvel

July 2007 The VLDB Journal — The International Journal on Very Large Data Bases, Volur

Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(818.68 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 264, Downloads (12 Months): 317, Citation Count: 0

Service-oriented architectures (SOA) is an emerging approach that addresses the requirements coupled, standards-based, and protocol- independent distributed computing. Typically business running in an SOA comprise a number of invocations ...

Keywords: Application and service integration, Asynchronous and event-driven processing, Ent Service oriented architecture, Web services

10 [Communications of the ACM: Volume 51 Issue 4](#)



April 2008 issue Volume 51 Issue 4

Publisher: ACM

Full text available: [pdf\(4.24 MB\)](#) [digital edition\(.00 bytes\)](#) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

11 [Deploying and managing Web services: issues, solutions, and directions](#)

Qi Yu, Xumin Liu, Athman Bouguettaya, Brahim Medjahed

May 2008 The VLDB Journal — The International Journal on Very Large Data Bases, Volur

Publisher: Springer-Verlag New York, Inc.

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Web services are expected to be the key technology in enabling the next installment of the Web of the Service Web. In this paradigm shift, Web services would be treated as first-class ...

Keywords: Interoperability, Service-oriented computing, Web service management system

12 [A simple mechanism for capturing and replaying wireless channels](#)



Glenn Judd, Peter Steenkiste

August 2005 E-WIND '05: Proceedings of the 2005 ACM SIGCOMM workshop on Experimental app wireless network design and analysis

Publisher: ACM

Full text available: [pdf\(6.06 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 446, Citation Count: 1

Physical layer wireless network emulation has the potential to be a powerful experimental tool. , an important challenge in physical emulation, and traditional simulation, is to accurately model the channel. In this paper we examine the possibility ...

Key words: channel capture, emulation, wireless

13 [Design and evaluation of a wide-area event notification service](#)



Antonio Carzaniga, David S. Rosenblum, Alexander L. Wolf

August 2001 ACM Transactions on Computer Systems (TOCS), Volume 19 Issue 3

Publisher: ACM

Full text available: pdf(1.08 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 213, Citation Count: 119

The components of a loosely coupled system are typically designed to operate by generating and responding to asynchronous events. An event notification service is an application-independent infrastructure that supports the construction ...

Key words: content-based addressing and routing, event notification, publish/subscribe

14 [Changing patterns in IT skill sets 1988-2003: a content analysis of classified advertising](#)



Michael J. Gallivan, Duane P. Truex, III, Lynette Kvasny

August 2004 ACM SIGMIS Database, Volume 35 Issue 3

Publisher: ACM

Full text available: pdf(224.27 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 272, Citation Count: 8

This paper examines trends in required job skills for IT professionals. Through an empirical study of classified job advertising for IT professionals over the past 17 years, we evaluate whether the observed trends support earlier predictions offered ...

Key words: IT careers, IT professionals, career paths, content analysis, job skills

15 [Undergraduate embedded system education at Carnegie Mellon](#)



Philip Koopman, Howie Choset, Rajeev Gandhi, Bruce Krogh, Diana Marculescu, Priya Narasimhan, Paul, Ragunathan Rajkumar, Daniel Siewiorek, Asim Smailagic, Peter Steenkiste, Donald E. Thomas, Wang

August 2005 ACM Transactions on Embedded Computing Systems (TECS), Volume 4 Issue 3

Publisher: ACM

Full text available: pdf(162.46 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 254, Citation Count: 2



Embedded systems encompass a wide range of applications, technologies, and disciplines, necessitating a broad approach to education. We describe embedded system coursework during the first 4 years of university education (the U.S. undergraduate level). ...

Key words: Embedded systems education, curriculum

16 [A market-based approach to recommender systems](#)



Yan Zheng Wei, Luc Moreau, Nicholas R. Jennings

July 2005 ACM Transactions on Information Systems (TOIS), Volume 23 Issue 3



-  Publisher: ACM
 Full text available:  pdf(2.06 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
 Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 318, Citation Count: 3
 Recommender systems have been widely advocated as a way of coping with the problem of info overload for knowledge workers. Given this, multiple recommendation methods have been developed. However, it has been shown that no one technique is best ...

Keywords: Recommender systems, auctions, marketplace

17 [Trustworthy 100-year digital objects: Evidence after every witness is dead](#)



-  Henry M. Gladney
 July 2004 ACM Transactions on Information Systems (TOIS), Volume 22 Issue 3
 Publisher: ACM
 Full text available:  pdf(1.24 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
 Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 190, Citation Count: 4
 In ancient times, wax seals impressed with signet rings were affixed to documents as evidence of authenticity. A digital counterpart is a message authentication code fixed firmly to each important document. If a digital object is sealed together ...

18 [Principled design of the modern Web architecture](#)

-  Roy T. Fielding, Richard N. Taylor
 May 2002 ACM Transactions on Internet Technology (TOIT), Volume 2 Issue 2
 Publisher: ACM
 Full text available:  pdf(335.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
 Bibliometrics: Downloads (6 Weeks): 48, Downloads (12 Months): 617, Citation Count: 9
 The World Wide Web has succeeded in large part because its software architecture has been designed to meet the needs of an Internet-scale distributed hypermedia application. The modern Web architecture emphasizes scalability of component interactions, ...

Keywords: Network-based applications, REST, World Wide Web

19 [An ethnocentric look at the law and technology interface](#)

-  Leona F. Fass
 January 2008 ACM SIGSOFT Software Engineering Notes, Volume 33 Issue 1
 Publisher: ACM
 Full text available:  pdf(334.20 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
 Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 54, Citation Count: 0
 We often conduct ethnocentric research, observing everyday citizen end-users in their own environment to assess their access, technological and policy concerns. Our recent research has revealed that many user concerns are on the interface of Law ...

Keywords: Technology policy, barriers to access, computing environments, engineering ethics, ethnocentric software engineering, human-web interaction, information integrity, privacy, security

20 [Genre taxonomy: A knowledge repository of communicative actions](#)

Takeshi Yoshioka, George Herman, JoAnne Yates, Wanda Orlikowski



October 2001 ACM Transactions on Information Systems (TOIS), Volume 19 Issue 4

Publisher: ACM

Full text available: pdf(759.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index te](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 202, Citation Count: 5

We propose a genre taxonomy as a knowledge repository of communicative structures or "typifi enacted by organizational members. The genre taxonomy is intended to help people make sense types of communicative actions and provide ...

Keywords: Genre, genre systems, grammar, information search and retrieval, taxonomy

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